



Patent application of _____

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent application of _____

Inventor(s)

for _____

Title of invention

OR

In re application of: Serge DOUCET, et al.

Serial No.: 10/665,138

Group No.:

Filed: September 18, 2003

Examiner:

For: MULTI-WAVE LENGTH LASER SOURCE

Commissioner for Patents

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- * Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

NOTE: 37 C.F.R. 1.98(b):

- (1) *Each U.S. patent listed in an information disclosure statement must be identified by inventor, patent number, and issue date.*
- (2) *Each U.S. patent application published listed in an information disclosure statement shall be identified by applicant, patent application publication number, and publication date.*
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- (5) *Each publication listed in an information disclosure statement must be identified by publisher, author (if any), title, relevant pages of the publication, date, and place of publication.*

WARNING: *No extension of time can be had under 37 C.F.R. § 1.36 (a) or (b) for filing an IDS. 37 C.F.R. § 1.97(f).*

NOTE: *The "filing date of a national application" under 37 C.F.R. 1.97(b) has two possible meanings. Where the filing is a direct one to the United States Patent & Trademark office, the filing is defined in 37 C.F.R. 1.53(b) as "the date on which: (1) A specification containing a description pursuant to § 1.71 and at least one claim pursuant to § 1.75; and (2) any drawing required by § 1.81(a), are filed in the Patent and Trademark Office in the name of the actual inventor or inventors as required by § 1.41." 37 C.F.R. 1.97(b)(1). On the other hand, an international application that enters the national stage occurs when the applicant has filed the documents and fees required by 35 U.S.C. § 371(c) within the periods set forth in § 1.494 or § 1.495. 35 U.S.C. § 371(c) requires the filing of the following: (1) the national fee; (2) a copy of the international application, unless already sent by the International Bureau, and an English translation if filed in another language; (3) amendments under PCT Article 19, with a translation into English if made in another language; (4) an oath or declaration; and (5) a translation into English of any annexes to the international preliminary examination report, if such annexes were made in another language. 37 C.F.R. 1.97(b)(2).*

IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING INFORMATION DISCLOSURE STATEMENT

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. 1.97(b).

NOTE: *"No certification or fee is due when the filing is made within the above time period. It is advisable to ensure that no Office action has been mailed if the disclosure statement is delayed until after three months from filing."*

NOTE: *"An information disclosure statement will be considered to have been filed on the day it was received in the Office, or on an earlier date of a mailing if accompanied by a properly executed certificate of mailing under 37 C.F.R. 1.8, or Express Mail certificate under 37 C.F.R. 1.10. An office action is mailed on the date indicated in the Office action." Notice of April 20, 1992 (1138 O.G. 37-41, 39).*

NOTE: *"The term 'national application' includes continuing applications (continuations, divisions, continuations-in-part) so three-months will be measured from the actual filing date of an application as opposed [sic] to the effective date of a continuing application." Notice of April 20, 1992 (1138 O.G. 37-41, 39).*

NOTE: "An action on the merits means an action which treats the patentability of the claims in an application, as opposed to only formal or procedural requirements. An action on the merits would, for example, contain a rejection or indication of allowability of a claim or claims rather than just a restriction requirements (37 C.F.R. 1.142) or just a requirement for additional fees to have a claim considered (37 C.F.R. 1.16(d)). Thus, if an application was filed on Jan. 1 and the first Office action on the merits was not mailed until six months later on July 1, the examiner would be required to consider any proper information disclosure statement filed prior to July 1." Notice of April 20, 1992 (1138 O.G. 37-41, 39).

WARNING: "A petition for suspension of action to allow applicant time to submit an information disclosure statement will be denied as failing to present good and sufficient reasons, since 37 C.F.R. 1.97 provides adequate recourse for the timely submission of prior art for consideration by the examiner." Notice of July 6, 1992 (1141 O.G. 63).

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Serge **DOUCET**, et al.

Serial No.: 10/665,138

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Filed: September 18, 2003

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For: **MULTI-WAVE LENGTH LASER SOURCE**

Attorney Docket No.: U 014823-0

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

We draw the attention of the Examiner to the attached references which are also listed on the attached Form PTO-1449.

Respectfully submitted,

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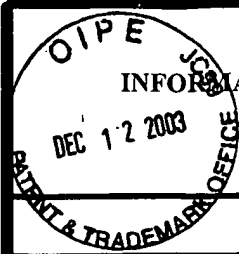
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INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

U 014823-0

Application Number

10/665,138

Applicant(s)

Applicant: Serge DOUCET et al.

Filing Date

September 18, 2003

Group Art Unit

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1.	US 2002/0154661 A1	10-24-2002	Hoose et al. (Pat. App. Pub)			
	2.	US 6,463,083 B1	10-08-2002	Sumiyoshi et al.			
	3.	US 2002/0080832 A1	06-27-2002	Chang et al. (Pat.App.Pub.)			
	4.	US 6,295,304 B1	09-25-2001	Koch et al.			
	5.	US 6,163,553	12-19-2000	Pfeiffer			
	6.	US 5,910,962	06-08-1999	Pan et al.			
	7.	US 5,600,665	02-04-1997	Minden et al.			

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	8.	CA 2,359,884	10-24-2001	CANADA				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	9.	L. Dong, L., W. H. Loh, J. E. Caplen, J. D. Minelly, K. Hsu and L. Reekie "Efficient single-frequency fiber lasers with novel photosensitive Er/Yb optical fibers", Opt. Lett. 22, pp. 694-696 (1997).
	10.	G. A. Ball and W. H. Glenn, "Design of a single-mode linear-cavity erbium fiber laser utilizing Bragg reflectors", J. Lightwave Technol. 10, pp. 1338-1343 (1992).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Group Art Unit


OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

- | | |
|-----|--|
| 11. | G. A. Ball, W. H. Glenn, W. W. Morey, and P. K. Cheo, "Modeling of short, single-frequency, fiber lasers in high-gain fiber", IEEE Photon. Technol. Lett. 5, pp. 649-651 (1993). |
| 12. | J. L. Zyskind, V. Mizrahi, D. J. DiGiovanni and J. W. Sulhoff, "Short single frequency erbium-doped fibre laser", Electron. Lett. 28, pp. 1385-1387 (1992). |
| 13. | G. A. Ball and W. W. Morey, "Compression-tuned single-frequency Bragg grating fiber laser", Opt. Lett. 19, pp. 1979-1981 (1994). |
| 14. | J. T. Kringlebotn, J.-L. Archambault, L. Reekie, and D. N. Payne, "Er3+:Yb3+-codoped fiber distributed-feedback laser", Opt. Lett. 19, pp. 2101-2103, (1994). |
| 15. | M. Sejka, P. Varming, J. Hübner and M. Kirstensen, "Distributed feedback Er3+-doped fibre laser", Electron. Lett. 31, pp. 1445-1446 (1995). |
| 16. | W. H. Loh, and R. I. Laming, "1.55 mm phase-shifted distributed feedback fibre laser", Electron. Lett. 31, pp. 1440-1442 (1995). |
| 17. | W. H. Loh, B. N. Samson, L. Dong, G. J. Cowle, and K. Hsu, "High performance single frequency fiber grating-based erbium: Ytterbium-codoped fiber lasers", J. Lightwave Technol. 16, pp. 114-118 (1998). |
| 18. | E. Ronnekleiv, M. N. Zervas, and J. T. Kringlebotn, "Modeling of Polarization-Mode Competition in Fiber DFB Lasers", IEEE J. Quantum Electron. 34, pp. 1559-1569 (1998). |
| 19. | Z. E. Harutjunian, W. H. Loh, R. I. Laming, and D. N. Payne, "Single polarisation twisted distributed feedback fibre laser", Electron. Lett. 32, pp. 346-348 (1996). |
| 20. | H. Y. Kim, S. K. Kim, H. J. Jeong, H. K. Kim, B. Y. Kim, "Polarization properties of a twisted fiber laser", Opt. Lett. 20, pp.386-388 (1995). |
| 21. | H. Storoy, B. Sahlgren, and R. Stubbe, "Single polarisation fibre DFB laser", Electron. Lett. 33, pp. 56-58 (1997). |
| 22. | M. Ibsen, E. Ronnekleiv, G. J. Cowle, M. O. Berendt, O. Hadeler, M. N. Zervas, and R. I. Laming, "Robust high power (>20mW) all-fibre DFB lasers with unidirectional and truly single polarisation outputs", Technical Digest of the Conference on Lasers and Electro-Optics (CLEO), paper CW4, pp.245-246 (1999). |

EXAMINER

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 <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p>		Docket Number (Optional) U 014823-0		Application Number 10/665,138	
		Applicant(s) Serge DOUCET et al.			
		Filing Date September 18, 2003		Group Art Unit	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
23.		S. Yamashita, K. Hsu, W. H. Loh, "Miniature Erbium:Ytterbium Fiber Fabry-Perot Multiwavelength Lasers", IEEE J. of Selected Topics in Quantum Electronics 3, pp.1058-1064 (1997).			
24.		S. V. Chernikov, J. R. Taylor and R. Kashyap, "Coupled-cavity erbium fiber lasers incorporating fiber grating reflectors", Opt. Lett. 18, pp. 2023-2025 (1993).			
25.		J. Hübner, P. Varming and M. Kristensen, "Five wavelength DFB fibre laser source for WDM systems", Electron. Lett. 33, pp. 139-140 (1997).			
26.		M. Ibsen, S-u. Alam, M. N. Zervas, A. B. Grudinin, and David N. Payne, "8- and 16- Channel All-Fiber Laser WDM Transmitters with Integrated Pump Redundancy", IEEE Photon. Technol. Lett. 11, pp.1114-1116 (1999).			
27.		R. Slavík, S. Doucet, and S. LaRochelle, "High-performance All-fiber Fabry-Perot Filters with Superimposed Chirped Bragg Gratings", J. of Lightwave Technol. 21, pp.1059-1065 (2003).			
28.		G. E. Town, K. Sugden, J. A. R. Williams, I. Bennion, and S. B. Poole, "Wide-band Fabry-Perot-like filters in optical fiber", IEEE Photon. Technol. Lett. 7, pp. 78-80 (1995).			
29.		M. Ibsen, E. Ronnekleiv, G. J. Cowle, M. N. Zervas and R. I. Laming, "Multiple wavelength all-fibre DFB lasers", Electron. Lett. 36, pp. 143-144 (2000).			
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